

### Abstract of the Disclosure

A door system includes an antenna-based proximity sensor with a releasable electrical connector that enables the sensor to function with a breakaway feature of the door. The sensor includes a signal generator and a door-mounted antenna for sensing  
5 a body or an obstruction near the door. The signal generator (or oscillator) can be installed at various locations between a power source and the antenna. In some cases, the wiring between the antenna and the power source includes a rotatable feature to accommodate the rotation of a drum that carries a wrap-up, pliable door panel. The rotatable feature may be a rotatable electrical connector, or it may be a wire having  
10 sufficient length and flexibility to twist about itself within the hollow interior of the drum.